

What Is Claimed Is:

1. A magnetic encoder mounted on a bearing unit comprising a reinforcing ring and a multi-pole magnet for detecting the rotation speed thereof, wherein

the multi-pole magnet is attached to the outside surface of the reinforcing ring, and a peelable protective cover is attached to the surface of the multi-pole magnet.

2. The magnetic encoder according to claim 1, wherein the protective cover is provided with a handle.

3. The magnetic encoder according to claim 1 or 2, wherein the magnetic cover is made of magnetic rubber.

4. A magnetic encoder mounted on a bearing unit comprising a reinforcing ring and a multi-pole magnet for detecting the rotation speed thereof, wherein

the multi-pole magnet is attached to the outside surface of the reinforcing ring, and a film-shaped protective cover is attached to the surface of the multi-pole magnet.

5. The magnetic encoder according to claim 4, wherein the protective cover is colored.

6. A bearing unit with an attached magnetic encoder mounted on the bearing unit comprising a reinforcing ring and a multi-pole magnet for detecting the rotation speed thereof, wherein

the multi-pole magnet is attached to the outside surface of the reinforcing ring, and a peelable protective cover is attached to the surface thereof; and wherein

the protective cover is adapted to be removed from the surface of the multi-pole magnet after the magnetic encoder has been mounted on the bearing unit.

7. The bearing unit with an attached magnetic encoder according to claim 6,

wherein the magnetic cover is made of magnetic rubber.

8. The bearing unit with an attached magnetic encoder according to claim 6,

wherein the protective cover is provided with a handle.

9. The bearing unit with an attached magnetic encoder according to claim 7,

wherein the protective cover is provided with a handle.

10. A bearing unit with an attached magnetic encoder mounted on the bearing unit comprising a reinforcing ring and a multi-pole magnet for detecting the rotation speed thereof, wherein

the multi-pole magnet is attached to the outside surface of the reinforcing ring, and a film-shaped protective cover is attached to the surface thereof; and wherein

the protective cover is adapted to be removed from the surface of the multi-pole magnet after the magnetic encoder has been mounted on the bearing unit.

11. The bearing unit with an attached magnetic encoder according to any of claims 6 to 9,

wherein the magnetic encoder is combined with a seal member having seal lips, and is mounted on the bearing unit.

12. The bearing unit with an attached magnetic encoder according to claim 10,

wherein the magnetic encoder is combined with a seal member having seal lips, and mounted on the bearing unit.